

Product datasheet for MR229699

Pja1 (NM_001290556) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Pja1 (NM_001290556) Mouse Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Pja1
 Synonyms: praja-1
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >MR229699 representing NM_001290556
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGCCACCAGGAAAGGATTGCCAGCCAGAGGAGGACAACAGCCGAAGTCCCAATGCACAGATCAACTG
 CCAATCAAAGCAAGAGGAGCCGGTACCATTGCCAGCACACGTCGTCGTTGGGATGACAGCGAGAGCTC
 GGGAGCCAGCCTGGCTGTTGAGAGTGAGGATTATCCAGTACTCCAGGTGGCGGGATGCTGCCGATGCT
 GAGGAGGCTCATGCCAGGGCCTAGCCAGAAGAGGCCGAGGTGAGGCTGCCAGCAGCTCAGAGCCAAGT
 ATGCTGAAGACCAGGATGCCAGGAGTGAACAAGCGAAGGCAGACAAAGTCCAAGACGGCGGCAACCAT
 GGCAGACCCTGACTTCTGGGCATACACCGACGATTACTACCGATACTACGAGGAAGATTCTGACAGCGAC
 AAAGAGTGGATGGCTGCCTGCGCAGGAAGTACCGAAGCCGAGAGCAACCCAGTCTCCAGCGGAGAAA
 GCTGGGAGCTTCTGCCAGGAAAGGAAGAACTGGAACGTGCAAGCCGGAGCTGGGAGCCTCGCCAGTGC
 TGGCAGCAATGGCAGTGGTTATCCTGAAGAAGTACAAGCCCATCTCTTCAGGAGGAAGAACAGGCCCTCT
 CTGGAAGAAGGAGAAATCCCTTGGCTTCGCTACAATGAGAATGAAAGCAGCAGCGAGGGTGATAATGAGT
 CTACCCATGAGCTCATACAGCCTGGGATGTTCTATGCTGGATGGAACAACAACCTGGAAGATGACTCCAG
 CGTGAGCGAAGACCTCGAAGTGGACTGGAGCCTGTTTATGGGTTTGGCCATGGCTGGGAGTGGCCGAA
 GCCATCTCTACGTGGATCCTCAGTTCCTCACCTACATGGCTCTGGAAGAGCGTCTGGCCAGGCAATGG
 AGACGGCCCTGGCACACTTGGAGTCTCTCGCCGTTGATGTCGAAGTGGCCAACCCACCAGCAAGCAAGGA
 GAGCATTGATGCCCTTCTGAGATCCTGGTCACCGAAGATCATGGTGCAGTGGGCCAGGAAATGTGCTGT
 CCTATCTGCTGCAGCAATATGTGAAGGGGAGGTGGCAACTGAGCTACCATGCCACCACTATTTCCACA
 AGCCCTGCGTGTCCATCTGGCTTCAAGTCTGGCACCTGCCAGTGTGCCGCTGCATGTTCCCTCCCC
 GCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR229699 representing NM_001290556
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MSHQERIASQRRTTAEVPMHRSTANQSKRSRSPFASTRRRWDDSESSGASLAVESEDYSSTSRWRDAADA
 EEAHAEGLARRGRGEAASSSEPRYAEDQDARSEQAKADKVPRRRTMADPDFWAYTDDYYRYEEDSDSD
 KEWMAALRRKYRSREQPQSSSGESWELLPGKEELERQQAGAGSLASAGSNGSGYPVEEVQDPSLQEEEQAS
 LEEGEIPWLRYNENESSSEGDNESTHEL IQPGMFMLDGNNLEDDSSVSEDLVDWSLFDGFADGLGVAE
 AISYVDPQFLTYMALEERLAQAMETALAHLESLAVDVEVANPPASKESIDALPEILVTEHDGAVGQEMCC
 PICCSEYVKGEVATELPCHHYFHKPCVSIWLQKSGTGPCVRCMFPPPL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001290556

ORF Size: 1194 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: NM_001290556.1, NP_001277485.1

RefSeq Size: 2160 bp

RefSeq ORF: 1197 bp

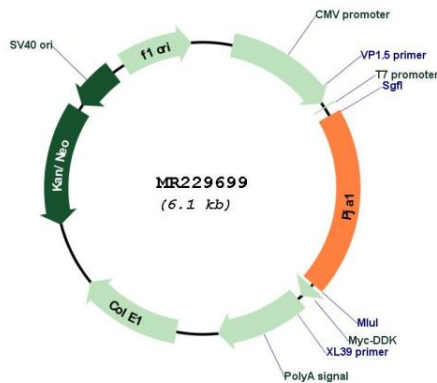
Locus ID: 18744

Cytogenetics: X 43.38 cM

MW: 44.9 kDa

Gene Summary: Has E2-dependent E3 ubiquitin-protein ligase activity. Ubiquitinates MAGED1 antigen leading to its subsequent degradation by proteasome. May be involved in protein sorting. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR229699